

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:52 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 394 Const Calendar Day: 114 Date: 26-Sep-2012 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:40 AM 09:00 PM Break: 00:30 Over Time: 05:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:**Diary:**

Dispute

Phase 1 Load Transfer

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Phase-1 load transfer (LT) step 17b-Adj was completed (started yesterday)
- Phase-1 LT step 18a-Adj was completed
- Phase-1 LT step 18b-Adj was completed
- Phase-1 LT step 18c-Adj was completed
- Phase-1 LT step 18d-Adj was completed
- Phase-1 LT step 18e-Adj was completed
- Phase-1 LT step for additional rotation of the cable was started
- Re-tensioning of cable band (CB) bolts
- Installation of suspender anchor rods

Today I was measuring minimum thread engagement on suspender anchor rods, & other misc inspection. See the diaries of Sami Daouk, P. Jalali, & m. Hossain for details of the South cable suspender jacking as they were inspecting this work. See the diary of others for information on the North cable suspender jacking & CB bolt tensioning.

- I arrived at the pier 7 office at 06:40, & was on the bridge at 07:00. At this time, LT suspender jacking was still on hold.
- From 07:00 until 08:00, I checked the suspender center marks on the South cable to make sure that none of them had slipped.
- From 08:00 until 09:30, I measured the rotation of all cable bands along the South cable. I did this together with ABF Engineer Ben Jones so that we were in agreement with the numbers. We used a smart level, & recorded all of the angles along the stanchion pads. The theoretical angle for each stanchion pad is 90 degrees. The measured numbers varied from +79 degrees to -88 degrees (positive means the CB is rotated away from the center of the bridge). These recorded numbers were given to Roman Granados for discussion in today's meetings to resolve some cable rotation issues.
- From 09:30 until 12:00, I was inspecting the minimum thread engagement on suspender anchor rods.
- From 12:00 until 12:30, I ate lunch.
- From 12:30 until 13:15, I re-measured several distances from the sockets to the bottom flanges on the phase-1 suspenders that were measured yesterday. Warren Collins wanted these re-measured because our number differed from the measurements done by ABF.
- At 12:45, LT suspender jacking was re-started. See the diaries of S. Daouk, P. Jalali, & M. Hossain for details.
- From 13:15 until 16:00, I was inspecting the minimum thread engagement on suspender anchor rods.
- At 15:00, LT suspender jacking was completed.



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Job Name: 04-0120F4

Inspector Name Wright, Doug

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Date: 26-Sep-2012 Wednesday

- At 16:00, the ABF crews started to jack on the suspenders at PPs 50N, 52N, 54N, 58N, & 62N. This was a continuation of phase-1 LT to correct cable rotation & transfer the load from the temporary jacking rods to the permanent anchor rods. The maximum jacking pressure noticed during this LT suspender jacking was 8800 psi. We watched the pressure gauges to ensure that they did not exceed 9069 psi.
- By the end of the shift, they had transferred the load at PP50N from the temporary jacking rods to the permanent anchor rods.
- At 19:05, the crews wrapped up their tools to end their shift.
- From 19:10 until 19:30, I checked the minimum thread engagement on 2 more PPs on the South cable.
- At 19:40, I left the bridge.
- From 19:50 until 20:30, I spoke with Warren Collins to give him an update from the field. Also, he gave me several suggestions regarding what to watch for while inspecting the LT operation for rotating the cable tomorrow.
- From 20:30 until 21:00, I wrote my diary for the day & checked email.

04-0120F4 Bid Item: 067 C-SUS-BGS.067 Attach BG Lifts to Suspenders

AMERICAN BRIDGE/FLUOR, A JV

